Health Workforce Supply in North Carolina: Future Trends, Opportunities and Challenges

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Presentation overview

- The context
- Current challenges
- The health workforce of the future
- What do we need to do <u>now</u> to prepare for health workforce needed in the <u>future</u>?



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Framing this presentation

People ask: "Will North Carolina have the right number of health professionals it needs now and in the future?"

Need to reframe question to:

- 1. Will NC have the right mix of health professionals in the right specialties, geographies and practice settings?
- 2. What new roles and skills will be needed in a transformed health system?
- 3. How will we get to where we need to be?

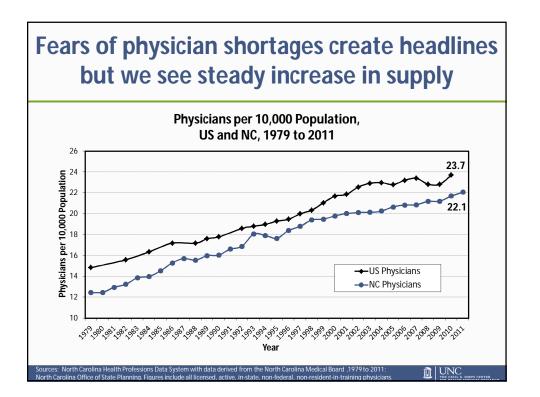
Because whether or not North Carolina implements health reform, cost and quality pressures are driving health system change

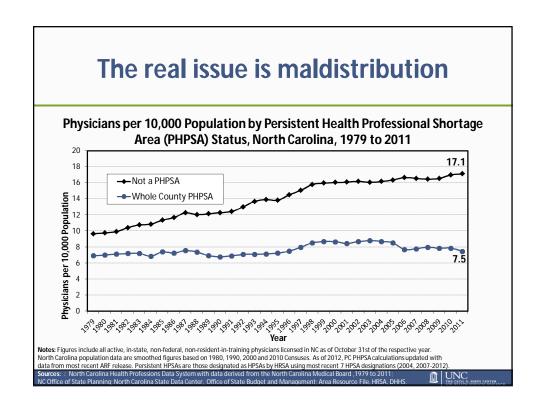


With or without health reform, current system is not sustainable

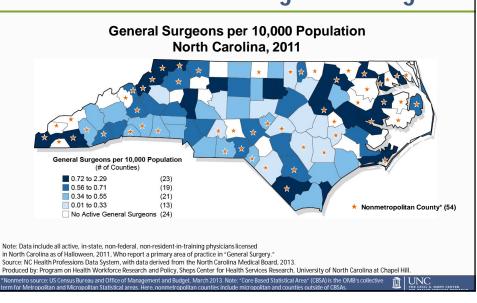
- Demand side driving change: aging population, increase in chronic disease, health system consolidation, new models of care, payment policy changes, rising patient expectations
- Supply side not keeping pace: health workforce not well distributed and deployment is rigid because payment, regulatory, and education systems lag behind

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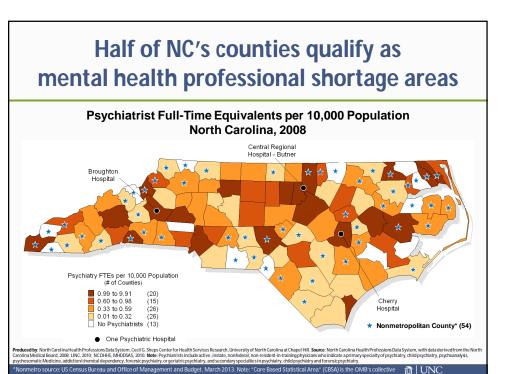




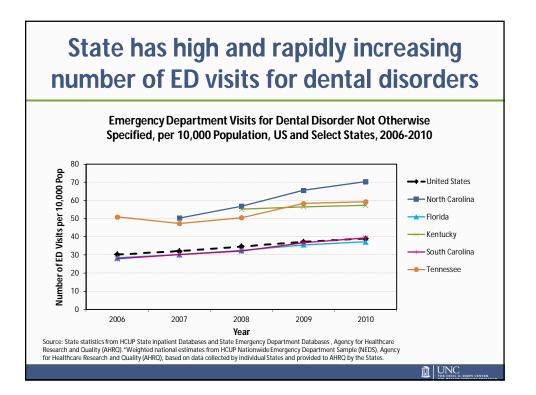
"For the one-quarter of Americans who live outside metropolitan areas, general surgeons are the essential ingredient that keeps full-service medical care within reach. Without general surgeons as backup, family practitioners can't deliver babies, emergency rooms can't take trauma cases, and most internists won't do complicated procedures such as colonoscopies."

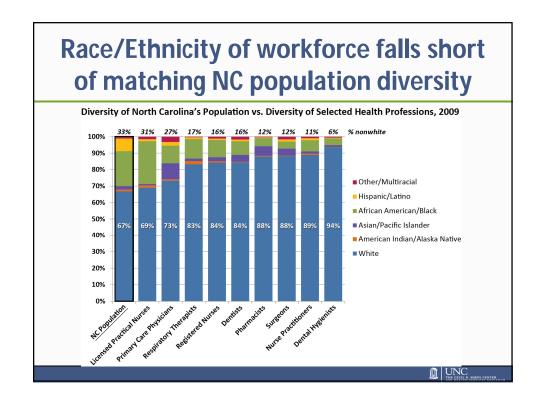
Washington Post, January 1, 2009

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NC consistently ranks near bottom of 50 states in dentist supply **Active Dentists per 10,000 Civilian Population** 2000 Rank Rank Ratio Ratio **United States** 6.1 6.0 Top Ranked Massachusetts 2 8.1 1 8.2 Hawaii 1 8.2 2 8.1 7.9 3 **New Jersey** 4 8.1 **New York** 3 8.0 4 7.9 **Bottom Ranked North Carolina** 47 4.2 47 4.5 Alabama 46 4.3 48 4.4 **Arkansas** 48 4.0 49 4.1 49 3.9 50 Mississippi 4.1







Health system transformation underway

- Emphasis is on primary and preventative care
- Health care is integrated across:
 - medical sub-specialties, home health agencies and nursing homes
 - community- and home-based services
- Technology used to monitor health outcomes
- Payment incentives promote accountability for population health
- Designed to lower cost, increase quality, improve patient experience

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Different health system means different workers

A transformed health care system will require a transformed workforce.

The people who will support health system transformation for communities and populations will require different knowledge and skills

iource: Centers for Medicare and Medicaid Services, Health Care Innovation Challenge Grant, Funding Opportunity Number: CMS-1C1-12-001, CFD. 13 610 . November 2011, http://www.innovations.cms.gov/Files/x/Health-Care-Innovation-Challenge-Funding-Opportunity-Announcement.pdf III UNC

Existing workers will take on new roles in new models of care

- Most workforce policy focus has been on redesigning educational curriculum for students in the pipeline
- But it is workers already in the system who will transform care
- Action Needed: more continuing education opportunities to allow workers to upgrade their skills and gain competencies needed in new models of care, such as:
 - care coordination
 - transitions of care
 - population health management
 - patient education and engagement

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Existing workforce will shift from acute to ambulatory, community- and home-based settings

- Changes in payment policy and health system organization:
 - Shift from fee-for-service toward bundled care payments, risk- and value-based models
 - Fines that penalize hospitals for readmissions
 - Rapid consolidation of care
- Will increasingly shift health care—<u>and the health care</u> <u>workforce</u>—from expensive inpatient settings to ambulatory, community and home-based settings

Action Needed: need to shift health workforce training to community-based settings; current workforce not prepared to meet patient on "their turf"



It's not just about numbers needed in future, it's about new health professional roles

- Patient navigators
- Nurse case managers
- Care coordinators
- Community health workers
- Care transition specialists
- Living skills specialists
- Patient family activator
- Grandaids
- Paramedics
- Home health aids
- Peer and family mentors

- All these professions play role in managing patient transitions between home, community, ambulatory and acute care health settings
- Evidence shows improved care transitions reduce unnecessary hospital admissions, lower costs and improve patient satisfaction

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But how do we get there from here?



Health Workforce Planning the Traditional Way

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The Future: health workforce planning, Wayne Gretsky style



"I skate to where the puck is going to be, not to where it has been." -wayne Gretsky

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North Carolina has better capacity for planning than most states

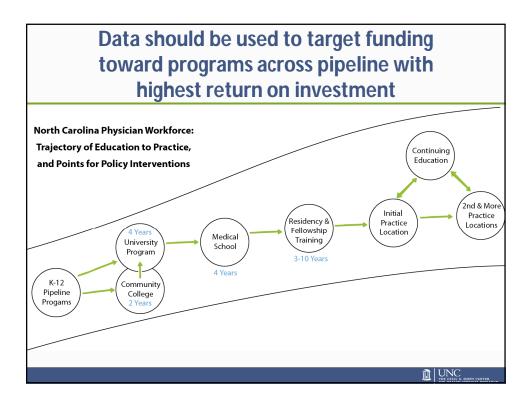
State has long history of collaborative workforce planning:

- · Well-established AHEC and Office of Rural Health
- Strong public community college and university system
- History of collaboration and trust
- Better data and analytical capacity than most states



But we don't use data enough to shape future or evaluate past





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